FNA SPA
Via Einaudi, 6
10070 Robassomero (TO), Italy
Tel: +39 011 9233000

Rel. # 1 on 31/05/2018

Technical note

ROTAR ECOFLUID 46 OIL
#600000020, #600000021, #600000022

MAIN FEATURES

High performance air compressor oil specially developed for up to 2,000 hours oil life in service, even when operating at maximum discharge temperatures. Formulated with high quality selected mineral base oils enhanced with advanced anti-oxidant, anti-wear (zinc free), anti-rust and anti-foam additives. It provides very good varnish and deposit control, very good thermal and oxidation stability for long lasting performance.

Features and Benefits:

- Very good varnish and deposit control: maintains very good internal surface cleanliness, controls varnish formation providing longer equipment life.
- Very good thermal and oxidation stability.
- Very good rust & corrosion protection: inhibits the corrosion process that occurs in presence of water, improving equipment life.
- Very good anti-wear protection: protects equipment components from excessive wear and provides longer equipment life.
- Very good air release and foam stability: maintains good efficiency in compressors and ensures smooth operation of the system thanks to fast air release. Protects the system from air degenerative effects reducing maintenance costs.
- Very good water separability: due to good water separability the system is protected from water degenerative effects, maintaining compressor efficiency at required level and reducing maintenance costs.
- High multi metal compatibility: compatible with most metal alloys ensuring trouble free performance of the system.
- High compatibility with most seal and elastomers: compatible with most seals and elastomers, which prevents oil leaks and contamination due to seal erosion.

CHEMICAL-PHYSICAL FEATURES

Appearance: Viscous liquid
pH: Not applicable
Flash point: 220°C
Relative density: 877 kg/m³ at 15 °C
Solubility: In oil and hydrocarbons
Water solubility: Not soluble
Viscosity: 46 cSt at 40°C // 6,8 cSt at 100°C
Viscosity Index: 102 (ASTM D 2270)
Pour Point: -33°C (ASTM D 97)
TAN: 0,09 mgKOH/g (ASTM D 664)
Water Separability 40/37/3 mins: 15 (ASTM D 1401)
Copper Strip Corrosion: 1b (ASTM D 130)
Foam Sequence I, ml: 30/0 (ASTM D 892)
Foam Sequence II, ml: 50/0 (ASTM D 892)
Foam Sequence III, ml: 30/0 (ASTM D 892)
RPVOT, min: Min. 1000 (ASTM D 2272)

APPLICATIONS

Recommended for use in rotary screw compressors.

Performance levels:

- DIN 51506 VDL (1985-09)
- ISO 6743-3: DAG

PRECAUTIONS FOR USE

This lubricant does not present any special risks if used according to our recommendations and applied correctly. A safety data sheet in compliance with the EU legislation is available from your sales advisor.
Store possibly indoors. If it is stored outdoors, keep the kegs in a horizontal position and cover them with a lid to avoid water infiltration. Do not store at temperatures above 60 °C or directly in the sun as it is good to keep them in places not subject to frost. Protect the environment, avoid dispersion of used oil and containers.

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CLASSIFICATION AND LABELLING

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
None

Hazard Class and Category Code(s):
Nonhazardous

Hazard statement Code(s):
Nonhazardous

UN Number: 0000

Instructions: The instructions and the information brought on this document are fruit of experiences of laboratory and practical employment and therefore accurate and pertinent. Being the Royal conditions of use from the consumers aldilà of every possibility of ours of control, they are furnished on our behalf without some responsibility or guarantee, implicit or explicit. For further information we beg You to contact our Technical Service.